

AMENDMENT NO. 3 JULY 2015
TO
IS 694 : 2010 POLYVINYL CHLORIDE INSULATED UNSHEATHED AND
SHEATHED CABLES/CORDS WITH RIGID AND FLEXIBLE CONDUCTOR FOR RATED
VOLTAGES UP TO AND INCLUDING 450/750 V

(Fourth Revision)

(First cover page) — Substitute ‘1 100 V’ for ‘450/750 V’.

[Second cover page, Para 3, Sl No. (a)] — Delete.

(page 1, Title) — Substitute ‘1 100 V’ for ‘450/750 V’.

[Page 1, clause 1.1, line 5] — Substitute ‘1100 V’ for ‘450/750 V’ and in other subsequent clauses, wherever exists.

(Page 5, clause 12.1.1, Para 2) — Substitute the following for the existing para:

‘For every 15 mm length of core, one of these colours shall cover approximately, but not exceeding, 70 percent of the surface of the core, the other colour covering the remainder’.

[Page 6, clause 13 (see also Amendment No. 1)] — Delete ‘Earth continuity conductor ECC and’.

(Page 6, Fig. 1) — Substitute the following ‘Fig.1’ for the existing:

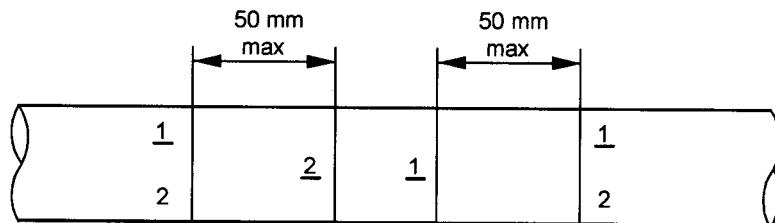


FIG. 1 PREFERRED ARRANGEMENT OF MARKING

(Page 6, clause 15.2) — substitute j) for J).

[Page 7, Table 1, Sl No. (iii) (c) (9), col 3(see also Amendment No. 1)] — Substitute ‘02’ for ‘02, FR and FR-LSH’

[Page 8, Table 1, Sl No. 7 of (iii) (e) (7), col 2] — Substitute ‘Flex test (flexible cords for sizes upto 5 cores, with cross-sectional area of 2.5 mm²)’ for ‘Flex test (flexible cords for sizes limited to 5 cores, with cross-sectional area of 2.5 mm²)’.

(Page 8, Table 2, col 4, heading) — Substitute ‘Flexible Cables and Cords’ for ‘Flexible Cables’.

(Page 9, clause 15.2) — Delete “p) approximate gross mass”, and renumber subsequent clauses.

(Page 9, clause 16.1.2, para 1 (see also Amendment No. 2)] — Insert the following text at the end of first paragraph:

‘However, FR/FR-LSH cables shall meet properties given in Table 1, wherever applicable pertaining to this type of cables.’

[Page 10, Table 3, Sl No. (iii)] — Insert the following values and renumber subsequent Sl Nos.:

Sl No.	Nominal Cross Sectional Area of Conductor , mm ²	Class of Conductor	Thickness Of Insulation Nominal (ts) mm	Maximum Overall Diameter mm
iv)	1.0	2	0.7	3.2

[Page 11, Table 4, Sl No. (iv) and (v), col 3] — Substitute ‘0.6’ for ‘0.7’ and ‘0.7mm’ for ‘0.8 mm’, respectively.

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[Page 11, clause 18.1.4 (see also Amendment No. 2)] — Insert the following text at the end of first paragraph:

‘However, FR/FR-LSH cables shall meet properties given in Table 1, wherever applicable, pertaining to this type of cables.’

[Page 12, clause 19.1.5 (see also Amendment No. 2)] — Substitute the following text for the existing second sentence:

‘However, FR/FR-LSH cables shall meet properties given in Table 1, wherever applicable, pertaining to this type of cables.’

[Page 12, clause 20.1.4 (see also Amendment No. 2)] — Insert the following text at the end of first paragraph:

‘However, FR/FR-LSH cables shall meet properties given in Table 1, wherever applicable, pertaining to this type of cables.’

(Page 13, Table 5) — Substitute the following table for the existing:

SI No.	Nominal cross sectional areas of conductor	Nominal thickness of insulation (ti)	Nominal thickness of Sheath (ts)				Overall Dimensions, Max			
			Single core	Two core	Three core	Four core	Single core	Two core	Three core	Four core
	mm ²	mm	mm	mm	mm	mm	mm	mm	mm	mm
i	1	0.6	1.1	1.2	1.2	1.2	5.3	8.2	8.8	9.9
ii	1.5	0.7	1.1	1.2	1.2	1.3	5.9	9.4	10.2	11.5
iii	2.5	0.8	1.1	1.3	1.3	1.3	6.7	10.9	11.8	13.3
iv	4	0.8	1.2	1.3	1.3	1.4	7.2	12.0	13.0	14.6
v	6	0.8	1.2	1.4	1.4	1.4	8.1	13.7	14.8	16.7
vi	10	1	1.2	1.5	1.5	1.6	9.5	16.5	17.8	20.0
vii	16	1	1.3	1.5	1.6	1.6	10.6	18.9	20.4	22.9
viii	25	1.2	1.3	1.6	1.7	1.8	12.2	22.1	23.8	26.8
ix	35	1.2	1.4	1.7	1.8	1.9	13.6	24.9	26.8	30.1
x	50	1.4	1.4	1.9	1.9	2.0	15.6	28.7	31.0	34.8
xi	70	1.4	1.5	2.0	2.0	2.2	17.3	—	34.7	38.9
xii	95	1.6	1.5	2.1	2.2	2.3	19.2	—	38.9	43.6
xiii	120	1.6	1.6	2.2	2.3	2.4	20.7	—	42.1	47.2

[Page 15, Table 9, col (3), (6), (9), (12) and (15)] — Insert ‘ti’ at the end of text ‘Nominal Thickness of Insulation’

[Page 15, Table 9, col (4), (7), (10), (13) and (16)] — Substitute ‘Nominal Thickness of Sheath (ts)’ for ‘Nominal Sheathing’

[Pages 14 to 16, clause 22.1.1.1 (b)] — Substitute the following for the existing and renumber subsequent SI No.:

b) For 1.0, 1.5 and 2.5 mm², copper conductor shall be either stranded (class 2) or flexible (class 5);

c) For aluminium conductor of sizes 1.5, 2.5, 4, 6 and 10 mm sizes, it shall be either solid (class 1) or stranded (class 2) and all sizes above 10 sq mm shall stranded.

(Page 16, Table 10, SI No. 4, col 6) — Substitute ‘12.0 × 5.6 mm²’ for 3 C × 1.5 mm² size for existing values.

(Amendment No. 1 against clauses 21.1.2 and clause 21.1.3) — The ‘page 14’ shall be substituted for ‘page 12’.